

MSMSYTWGTALITPCSPREEKLPINPLSNSLLRYHNKVYCTTTKSASLRAKKVTFDRMQVLDSSYDSVLKDIKL
 AASKVTARLLTMEEEACQLTPPHSARSKYGFGAKEVRSLSGRAVNHKSVWKDLLEDSETPIPTTIMAKNEVFCV
 DPTKGGKKAARLIVYPDLGVRVCEKMALYDITQKLPQAVMGASYGFQYSPAQRVEFLLKAWAEKKDPMGFSYDT
 RCFDSTVTERDIRTEESIYRACSLPEEAHTAIHSLTERLYVGGPMFNSKGQTCGYRRCRASGVLTSMGNTITC
 YVKALAACKAAGIIAPTMLVCGDDLVIIVISESQGTEEDERNLRAFTEAMTRYSAAPPDPPRPEYDLELI TSCSSN
 VSVALGPQGRRRYYLTRDPTTPIARAAWETVRHSPVNSWLGNI IQYAPTIWARMVLMTHFFSILMAQDTLDQNL
 NFEMYGAVYSVSPDLPAIIERLHGLDAFSLHTYTPHELTRVASALRKLGAAPPLRAWKSRARAVRASL I SRGGR
 AAVCGRYLFNWAVKTKLKLTPLEARLLDLSSWFTVVGAGGGDIYHSVSRARPR

FIG. 1A

MSMSYTWGTALITPCGPREEKLPINPLSNSLMRFHNKVYSTTSRSASLRAKKVTFDRVQVLDHAHYDSVLQDVKR
 AASKVSARLLTVEEACALTPPHSAKSRYGFGAKEVRSLSRRAVNHIRSVWEDLLEDQHTPIDTTIMAKNEVFCI
 DPTKGGKKPARLIVYPDLGVRVCEKMALYDIAQKLPKAIMGPSYGFQYSPAERVDFLLKAWGSKKDPMGFSYDT
 RCFDSTVTERDIRTEESIYQACSLPQEARTVIHSLTERLYVGGPMTNSKGQSCGYRRCRASGVFTTSMGNTMTC
 YIKALAACKAAGIVDPVMLVCGDDLVIIVISESQGNEEDERNLRAFTEAMTRYSAAPPDLPPEYDLELI TSCSSN
 VSVALDSRGRRRYFLTRDPTTPITRAAWETVRHSPVNSWLGNI IQYAPTIWVRMVMIMTHFFSILLAQDTLNQNL
 NFEMYGAVYSVNPLDLPAIIERLHGLEAFSLHTYSPHELSRVAATLRKLGAAPPLRAWKSRARAVRASL IAQGAR
 AAICGRYLFNWAVKTKLKLTPLEASRLDLSSWFTVVGAGGGDIYHSVSHARPR

FIG. 1B

MSMSYTWGTALITPCSAEEEEKLPISPLSNSLLRHHNLVYSTSSRSASQRQRKVTFDRLQVLDHDKYTALKEVKE
 RASRVKARMLTIEEACALVPPHSARSKFGYSAKDVRSLSSRAIDQIRSVWEDLLEDTTTTPIPTTIMAKNEVFCV
 DPAKGGKRPARLIVYPDLGVRVCEKRALYDVIQKLSIETMGSAYGFGQYSPQQRVERLLKMWTSSKKTPLGFSYDT
 RCFDSTVTEQDIRVEEEIYQCCNLEPEARKVISSSLTERLYCGGPMFNSKGAQCGYRRCRASGVLPSTFGNTITC
 YIKATAAAKAAGLRNPDLVLCGDDLVVVAESDGVDEEDRAALRAFTEAMTRYSAAPPDAPQPTYDLELI TSCSSN
 VSVARDDKGRYYYYLTRDATTPALARAAWETARHTPVNSWLGNIIMYAPTIWVRMVMIMTHFFSILQSQE ILDRPL
 DFEMYGATYSVTPLDLPAIIERLHGLSAFTLHSYSPVELNRVAGTLRKLGCPLRAWRHRARAVRAKL IAQGGK
 AKICGLYLFNWAVRTKTNLTPLPATGQLDLSSWFTVVGVGNDIYHSVSRARTR

FIG. 1C

MSMSYTWGTGALVTPCAAEEESKLPISPLSNSLLRHHNMVYATTTRSASVTRQKKVTFDRLOVVDSHYNEVLKEIKA
RASRVKARLLTTEEACDLTPPHSARSKFGYGAKDVRSHSRKAINHISSVWKDLLDDNNTPIPTTIMAKNEVFAV
NPAKGGRKPARLIVYPDLGVRVCEKRALHDVIKKLPEAVMGAAYGFQYSPAQRVEFLLTAWKSKKTPMGFSYDT
RCFDSTVTEKDIRVEEEVYQCCDLEPEARKVITALTDRLYVGGPMHNSKGDLCGYRRCRASGVYTTSFGNTLTC
YLKATAAIRAAGLRDCTMLVCGDDLVIASDGVVEDNRALRAFTEAMTRYSAAPPGDAPQPAYDLELITSCSSN
VSAHDVTGKKVYYLTRDPETPLARAAWETVRHTPVNSWLGNIIVYAPTIVVRMILMTHFFSILQSQEALKEKAL
DFDMYGVYTYSITPLDLPALIIQRLHGLSAFTLHGYSPELNRVAGALRKLGVPPLRAWRHRARAVRAKLI AQGGR
AKICGIYLFNWAVKTKLKLTPLPAAAKLDLSGWFTVGAGGGDIYHSM SHARPR

FIG. 1D

MSMSYTWGTGALITPCAAEEEEKLPINPLSNSLIRHHNMVYSTTSRSASLRQKKVTFDRVQVFDQHYQEILKEIKL
RASKVQAKLLSVEEACDLTPSHSARSKYGYGAQDVRSHASKAVNHIRSVWEDLLEDSDTPIPTTIMAKNEVFCV
DPSKGGKPARLIVYPDLGVRVCEKMALYDVTQKLPQAVMGSAAYGFQYSPTQRVEYLLKMWRSKKVPMGFSYDT
RCFDSTVTERDIRTENDIYQSCQLDPVARRAVSSLTERLYVGGPMVNSKQSCGYRRCRASGVLP TSMGNTITC
YLKAQAACRAANIKDCDMLVCGDDLVIICESAGVQEDTESLRAFTDAMTRYSAAPPGDAPQPTYDLELITSCSSN
VSAHDGNGKRYYYLTRDCTTPLARAAWETARHTPVNSWLGNIIMFAPTIVVRMVLMTTHFFSILQSQE QLEKAL
DFDIYGVYTYSVSPDLPLALIIQRLHGMAAFSLHGYSPELNRVGACLRKLGVPPLRAWRHRARAVRAKLI AQGGK
AAICGKYLFNWAVKTKLKLTPLV SASKLDLSGWFWAGYDGGDIYHSVSQARPR

FIG. 1E

ATGTCAATGTCGTATACATGGACAGGCGCCTTGATCACTCCTTGTAGTCCCGAAGAGGAGAAAGTTACCGATTAA
 CCCCTTGAGCAACTCCCTGTTGCGATATCACAACAAGGTGTACTGTACCACAACAAAGAGCGCCTCACTAAGGG
 CTAAGGTAAGTTTGTATAGGATGCAAGTGCTCGACTCCTACTACGACTCAGTCTTAAAGGACATTAAGCTA
 GCGGCCTCCAAGGTCACCGCAAGGCTCCTCACCATGGAGGAGGCTTGCCAGTTAAACCCCACTTCTGCAAG
 ATCTAAATATGGGTTTGGGGCTAAGGAGGTCCGCGAGCTTGTCGGGAGGGCGGTTAACCACATCAAGTCCGTGT
 GGAAGGACCTCCTGGAGGACTCAGAAACACCAATTCCCACAACCATTATGGCCAAAAATGAGGTGTTCTGCGTG
 GACCCACCAAGGGGGGCAAGAAAGCAGCTCGCCTTATCGTTTACCCTGACCTCGGCGTCAGGGTCTGCGAGAA
 GATGGCCCTTTATGACATTACACAAAACTTCTCAGGCGGTGATGGGGGCTTCTTATGGATTCCAGTATTTCC
 CCGCTCAGCGGGTAGAGTTTCTCTTGAAAGCATGGGCGGAAAGAAGGACCCTATGGGTTTTTCGTATGATACC
 CGATGCTTTGACTCAACCGTCACTGAGAGAGACATCAGGACTGAGGAGTCCATATATCGGGCCTGCTCCTTGCC
 CGAGGAGGCCCACACTGCCATACACTCGCTAAGTGAAGACTTTACGTGGGAGGGCCTATGTTCAACAGCAAGG
 GCCAAACCTGCGGGTACAGGCGTTGCCGCGCCAGCGGGGTGCTCACCCTAGCATGGGGAACACCATCACATGC
 TACGTGAAAGCCTTAGCGGCTTGTAAGCTGCAGGGATAATCGCGCCCACAATGCTGGTATGCGGCGATGACTT
 GGTGTCTCATCTCAGAAAGCCAGGGGACCGAGGAGGACGAGCGGAACCTGAGAGCCTTCACGGAGGCTATGACCA
 GGTATTCTGCCCCCTCCTGGTGACCCCCCAGACCGGAGTATGATCTGGAGCTGATAACATCTTGCTCCTCAAAT
 GTGTCTGTGGCGCTGGGCCCACAAGGCCGCGCAGATACTACCTGACCAGAGACCCTACCACTCCAATCGCCCG
 GGCTGCCCTGGGAAACAGTTAGACACTCCCCTGTCAATTCATGGCTGGGAAACATCATCCAGTACGCCCCGACCA
 TATGGGCTCGCATGGTCTGATGACACACTTCTTCTCCATTCTCATGGCTCAAGACACGCTGGACCAGAACCTC
 AACTTTGAGATGTACGGAGCGGTGTACTCCGTGAGTCCCTTGGACCTCCCAGCTATAATTGAAAGGTTACATGG
 GCTTGACGCTTTTTCTCTGCACACATACACTCCCCACGAAGTACACGGGTGGCTTCAGCCCTCAGAAAACCTTG
 GGGCGCCACCCCTCAGAGCGTGGAAGAGCCGGGCACGTGCAGTCAGGGCGTCCCTCATCTCCCGTGGGGGGAGA
 GCGGCCGTCTGCGGTGATATCTCTTCAACTGGGCGGTGAAGACCAAGCTCAAACCTCACTCCATTGCCGGAGGC
 GCGCCTCTGGATTATCCAGCTGGTTCACCGTCCGCGCCGGCGGGGGCGACATTTATCACAGCGTGTGCGGTG
 CCCGACCACGC

FIG. 2A

ATGTCAATGTCCTACACATGGACAGGCGCCTTGATCACACCATGTGGGCCCCGAAGAGGAGAAAGTTACCGATCAA
 CCCTCTGAGTAATTGCTCATGCGGTTCCATAATAAGGTGTACTCCACAACCTCAAGGAGTGCTCTCTGAGGG
 CAAAGAAGGTGACTTTTGACAGGGTGCAGGTGCTGGACGCACACTATGACTCAGTCTTGACAGGACGTTAAGCGG
 GCGCCTCTAAGGTTAGTGCAGGCTCCTCAGGTTAGAGGAAGCCTGCGCGCTGACCCCGCCCCACTCCGCCAA
 ATCGCGATACGATTTGGGGCAAAAGAGGTGCGCAGCTTATCCAGGAGGGCCGTTAACCACATCCGGTCCGTGT
 GGGAGGACCTCCTGGAAGACCAACATACCCCAATTGACACAACCTATCATGGCTAAAAATGAGGTGTTCTGCATT
 GATCCAACATAAGGTGGGAAAAAGCCAGCTCGCCTCATCGTATACCCCGACCTTGGGGTCAGGGTGTGCGAAAA
 GATGGCCCTCTATGACATCGCACAAAAGCTTCCCAAAGCGATAATGGGGCCATCCTATGGGTCCAATACTCTC
 CCGCAGAACGGGTCGATTTCTCCTCAAAGCTTGGGGAGTAAGAAGGACCCAATGGGGTTCTCGTATGACACC
 CGCTGCTTTGACTCAACCGTCACGGAGAGGGACATAAGAACAGAAGAATCCATATATCAGGCTTGTTCTCTGCC
 TCAAGAAGCCAGAAGTGTACATACACTCGCTCACTGAGAGACTTTACGTAGGAGGGGCCATGACAAACAGCAAAG
 GGCAATCCTGCGGCTACAGGCGTTGCCGCGCAAGCGGTGTTTTACCACCAGCATGGGGAATACCATGACATGT
 TACATCAAAGCCCTTGACAGCGTGAAGGCTGCAGGGATCGTGGACCCTGTTATGTTGGTGTGTGGAGACGACCT
 GGTCTCATCTCAGAGAGCCAAGGTAACGAGGAGGACGAGCGAAACCTGAGAGCTTTCACGGAGGCTATGACCA
 GGTATTCCGCCCCCTCCCGGTGACCTTCCAGACCGGAATATGACTTGGAGCTTATAACATCCTGCTCCTCAAAC
 GTATCGGTAGCGCTGGACTCTCGGGGTCGCCGCGGTACTTCCCTAACAGAGACCCTACCACTCCAATCACCCG
 AGCTGCTTTGACTCAACCGTCACGGAGAGGGACATAAGAACAGAAGAATCCATATATCAGGCTTGTTCTCTGCC
 TCTGGGTCCGGATGGTCAATGACTCACTTCTTCTCCATACTATTGGCCCAGGACACTCTGAACCAAATCTC
 AATTTTGAGATGTACGGGCGAGTATACTCGGTCAATCCATTAGACCTACCGGCCATAATTGAAAGGCTACATGG
 GCTTGAAGCCTTTTCACTGCACACATACTCTCCCCACGAAGTCTCAGGGTGGCAGCAACTCTCAGAAAACCTTG
 GAGCGCCTCCCCTTAGAGCGTGGAAGAGTCGGGCGCGTGCCGTGAGAGCTTCACTCATCGCCCAAGGAGCGAGG
 GCGGCCATTTGTGGCCGCTACCTCTTCAACTGGGCGGTGAAACAAAGCTCAAACCTCACTCCATTGCCCGAGGC
 GAGCGCCTGGATTTATCCGGGTGGTTCACCGTGGGCGCCGGCGGGGGCGACATTTATCACAGCGTGTGCGCATG
 CCCGACCCCGC

FIG. 2B

ATGTCAATGTCGTATACATGGACAGGGCGCCTTGATCACACCATGTAGTGCTGAGGAGGAGAACTGCCCATCAG
 CCCACTCAGCAATTCTTTGTTGAGACATCATAACCTAGTCTATTCAACGTCGTCGAGAAGCGCTTCCCAGCGTC
 AGAGGAAGGTTACCTTCGACAGACTGCAGGTGCTCGACGACCATTATAAGACTGCATTAAAGGAGGTGAAGGAG
 CGAGCGTCTAGGGTGAAGGCCCGCATGCTCACCATCGAGGAAGCGTGCGCGCTCGTCCCTCCTCACTCTGCCCCG
 GTCGAAGTTTCGGGTATAGTGCGAAGGACGTTGCTCCTTGTCAGCAGGGCCATTGACCAGATCCGCTCCGTCT
 GGGAGGACCTGCTGGAAGACACCACAACCTCCAATTCCAACCACCATCATGGCGAAGAACGAGGTGTTTTGTGTG
 GACCCCGCTAAAGGGGGCCGCAAGCCCGCTCGCCTCATTGTGTACCCTGACCTGGGGGTGCGTGTCTGTGAGAA
 ACGCGCCCTATATGACGTGATACAGAAGTTGTCAATTGAGACGATGGGTTCCGCTTATGGATTCCAATACTCGC
 CTTAACAGCGGGTCAACGTCTACTGAAGATGTGGACCTCAAAGAAAACCCCTTGGGGTTCTCATATGACACC
 CGCTGCTTTGACTCAACTGTCACTGAACAGGACATCAGGGTAGAAGAGGAGATATATCAATGCTGTAACCTTGA
 ACCGGAGGCCAGGAAAGTGATCTCCTCCCTCACGGAGCGGCTTTACTGCGGGGGCCCTATGTTCAACAGCAAGG
 GGGCCCAGTGTGGTTATCGCCGTTGCCGTGCCAGTGGAGTTCTGCCTACCAGCTTTGGCAACACAATCACTTGT
 TACATCAAGGCCACAGCGGCCGCGAAGGCCGAGGCCCTCCGGAACCCGACTTTCTCGTCTGCGGAGATGATTT
 GGTGCTGGTGGCTGAAAGTGACGGCGTCGATGAGGATAGAGCAGCCCTGAGAGCCTTACGGAGGCTATGACCA
 GGTACTCTGCTCCACCCGGAGATGCCCCACAGCCCACCTATGACCTTGAGCTCATTACATCTTGCTCCTCTAAC
 GTCTCCGTAGCACGGGACGACAAGGGGAGGAGGTATTATTACCTACCCGTGATGCCACTACTCCCCTAGCCCG
 CGCTGCTTTGGGAAACAGCCGTCACACTCCAGTCAACTCCTGGTTAGGTAAACATCATCATGTACGCGCCTACTA
 TCTGGGTGCGCATGGTAATGATGACACACTTTTTCTCCATACTCCAATCCCAGGAGATACTTGATCGACCCCTT
 GACTTTGAAATGTACGGGGCCACTTACTCTGTCACTCCGCTGGATTTACCAGCAATCATTTGAAAGACTCCATGG
 TCTAAGCGCATTTACGCTCCACAGTTACTCTCCAGTAGAGCTCAATAGGGTCGCGGGGACACTCAGGAAGCTTG
 GGTGCCCCCCCCCTACGAGCTTGGAGACATCGGGCACGAGCAGTGCGCGCCAAGCTTATCGCCAGGGAGGGAAG
 GCCAAAATATGTGGCCTTTATCTCTTCAATTGGGCGGTACGCACCAAGACCAATCTCACTCCACTGCCAGCCAC
 TGCCAGTTGGACTTGTCCAGCTGGTTTACGGTTGGTGTGCGCGGGAACGACATTTATCACAGCGTGTACGTG
 CCGGAACCCGC

FIG. 2C

ATGTCAATGTCGTATACATGGACAGGGCGCCTTGGTAAACACCTTGCGCGGCTGAGGAATCAAAGCTGCCAATTAG
 CCCCCTGAGCAATTCACCTTTTGCGCCATCACAATATGGTGTATGCCACGACCACCGTTCTGCTGTGACACGGC
 AGAAGAAGGTGACCTTCGACCGCCTGCAGGTGGTGGACAGTCACTACAATGAAGTGCTTAAGGAGATAAAGGCA
 CGAGCATCCAGAGTGAAGGCACGCTTGCTTACCACAGAGGAAGCTTGCGACCTGACGCCCCCCCCACTCAGCCAG
 ATCAAAGTTTCGGCTACGGGGCGAAGGATGTTGCGAGCCATTCCCAGCAAGGCCATTAAACCACATCAGCTCCGTGT
 GGAAGGACTTGCTGGACGACAACAATACCCCAATACCAACAACAATCATGGCCAAAATGAGGTCTTCGCTGTG
 AACCAGCGAAGGGAGGTGCGAAGCCTGCTCGCCTGATCGTGTATCCGGATCTCGGGGTCCGGGTTTGCGAGAA
 GAGAGCGCTTCACGACGTCATCAAAAACTGCCTGAGGCCGTGATGGGAGCCGCTTATGGCTTCCAATACTCCC
 CAGCGCAGCGGGTGGAAATTTCTTCTGACTGCTTGGAGTTCGAAGAAGACCCCAATGGGGTTCTCTTATGATACC
 CGCTGCTTTGACTCCACTGTAACCGAAAAGGACATCAGGGTCGAGGAAGAGGTCTATCAGTGTGTGACCTGGA
 GCCCCAAGCCCGCAAAGTCATCACCGCCCTCACAGATAGACTCTATGTGGGCGGCCCTATGCACAACAGCAAGG
 GAGACCTTTGTGGGTATCGGAGATGTGCGCGAAGCGGCGTCTACACCACCAGCTTCGGGAACACGCTGACGTGC
 TATCTCAAAGCCACGGCCGCCATCAGGGCGGCGGGGCTGAGAGACTGCACTATGTTGGTTTGCGGTGATGACTT
 AGTCGTCATCGCTGAGAGCGACGGCGTAGAGGAGGACAACCGAGCCCTCCGAGCCTTACGGAGGCTATGACGA
 GATACTCGGCTCCCCAGGTGACGCCCCGAGCCAGCATATGACCTGGAACATAACATCATGTTTCATCCAAC
 GTCTCAGTCGCGCACGACGTGACGGGTAAAAAGGTATATTACCTAACCCGAGACCCCTGAAACTCCCTTGCGCGG
 AGCCGCATGGGAGACAGTCCGACACACTCCAGTCAATTCCCTGGTTGGGAAACATCATAGTCTACGCTCCCACAA
 TATGGGTGCGCATGATATTGATGACCCACTTTTTCTCAATACTCCAGAGCCAGGAAGCCCTTGAGAAAGCACTC
 GACTTCGATATGTACGGAGTCACCTACTCTATCACTCCGCTGGATTTACCGGCAATCATTCAAAGACTCCATGG
 CTTAAGCGGTTTACGCTGCACGGATACTCTCCACACGAACCTCAACCGGTGGCCGGAGCCCTCAGAAAACCTTG
 GGGTACCCCGCTGAGAGCGTGGAGACATCGGGCCCGAGCAGTCCGCGCTAAGCTTATCGCCAGGGAGGTAGA
 GCCAAAATATGTGGCATATACCTCTTTAACTGGGCGGTAAAAACCAACTCAAACCTCACTCCATTGCCTGCCGC
 TGCCAAACTCGATTTTATCGGGTTGGTTTACGGTAGGCGCCGCGGGGAGACATTTATCACAGCATGTCTCATG
 CCGGACCCCGC

FIG. 2D

ATGTCAATGTCGTATACATGGACAGGCGCCTTGATAACACCATGTGCTGCGGAGGAGGAGAAGCTTCCAATAAA
TCCTCTGAGCAACTCCCTCATAAGACACCATAACATGGTGTATTCCACCACATCACGCAGCGCCAGCCTCCGCC
AGAAGAAGGTCACATTTGACAGAGTGCAAGTGTTGACCAACATTACCAGGAAATACTAAAGGAGATTAAGCTT
CGAGCGTCCAAGGTGCAGGCGAAGCTCTTATCCGTAGAGGAAGCCTGCGACCTCACACCATCGCAGCTCAGCCCG
GTCCAAATATGGGTATGGTGCACAGGACGTTAGAAGCCATGCTAGCAAGGCCGTCAACCACATCCGCTCCGTGT
GGGAGGACTTGCTAGAAGACTCTGATACTCCAATTCCCACAACCATCATGGCTAAGAATGAAGTCTTCTGCGTA
GATCCGTCGAAGGGTGGACGCAAGCCGGCACGCTTAATAGTTTACCCAGACTTGGGCGTGCGGGTCTGCGAGAA
GATGGCCCTATACGACGTCACGCAGAAGTTACCACAGGCCGTGATGGGTTCAGCATAACGGATTCCAGTACTCCC
CCACCCAGAGGGTTGAGTACCTGCTCAAAATGTGGCGGTCAAAGAAGGTGCCTATGGGCTTTTCTTACGACACC
AGGTGTTTTGATTCAACCGTCACTGAGCGGGACATCCGGACTGAGAACGACATCTATCAGTCTTGCCAGCTGGA
TCCCGTAGCAAGGAGGGCAGTATCATCCCTAACGGAACGGCTCTACGTAGGCGGCCCCATGGTGAACCTCCAAGG
GACAGTCATGTGGCTACCGTAGATGCCGAGCCAGTGGGGTGCTGCCACGAGCATGGGAAACACCATCACGTGC
TATCTGAAGGCACAGGCCGCTGCGAGGGCGGCCAACATCAAGGACTGTGACATGTTGGTGTGCGGAGATGACTT
AGTGGTCATTTGTGAGAGTGCTGGCGTCCAGGAGGACACTGAGTCACTGCGAGCATTACGGATGCTATGACCA
GGTACTCAGCTCCCCCTGGAGACGCCCCGCAACCTACTTACGACCTTGAGCTCATAACATCATGCTCATCCAAT
GTCTCCGTGCGCCACGATGGCAACGGGAAGAGATATTACTACCTCACACGTGACTGTACCACTCCACTTGCGCG
GGCCGCTTGGGAGACAGCCGCCACACTCCAGTCAACTCGTGGTTGGGCAACATCATTATGTTGCCCCACGA
TATGGGTGCGTATGGTTCTGATGACCCATTTTTTCTCCATCCTCCAGTCACAAGAGCAATTGGAGAAAGCACTC
GACTTTGACATCTATGGAGTGACCTATTCCGTCTCTCCACTTGATCTCCCAGCAATCATTCAACGACTCCATGG
CATGGCAGCATTTTCACTCCACGGATACTCTCCAGTTGAGCTCAATAGGGTAGGGGCTTGCTCAGGAAACTTG
GGGTGCCCTCCCTTGCGAGCCTGGAGACATCGAGCCAGAGCTGTCAGAGCCAACTCATTGCCCAAGGGGGGAAA
GCGGCCATATGCGSTAAGTACCTCTTTAACTGGGCAGTGAAGACCAAATAAACTCACTCCATTGGTCTCCGC
GAGCAAGCTTGACTTATCAGGCTGGTTCGTGGCCGGCTACGACGGGGGGGACATTTATCACAGCGTGTCCAGG
CTCGACCCCGT

FIG. 2E